

Class X (2023-24)
Holiday Homework



ENGLISH

1) BBC Work -

a) Unseen Passages (pg 3 - 21)

b) Formal letters (pg 91-93 / 105-107 / 116-117 / 128-130 / 146-150)

c) Do Grammar worksheets (pg 218 - 239)

d) Do Literature module (Ch- A Letter to God, Nelson Mandela, a long walk to freedom, Two Stories

About Flying - RTC's) in BBC.

e) Poem (1-3) Assignments RTC's.

f) Ch - 1-3 RTC's .

g) Do complete Unit 3, 4 in Words and Expressions.

2) Prepare a chart on the topics given below:

✦ Tenses (R.N.1 - 10)

✦ Reported Speech (R. N. 11 - 20)

✦ Determiners (R. N. 21 - 30)

✦ Interjections (R. N. 31 - last)

3) Write and learn 25 antonyms, synonyms. (words may be taken from the text book chapters that are done till now).

4) Prepare a model of Poem (on any one topic of your choice):

✦ DUST OF SNOW

✦ FIRE AND ICE

(Beautifully on a Cardboard / Thermocol sheet etc. According to availability)

5)Activity:-

a) Prepare a Chart - Pictures of Tiger in the cage / tiger in the forest highlighting the Importance of Freedom on the basis of poem A Tiger in the Zoo.

b) Prepare a Bio-sketch Of Nelson Mandela highlighting the interesting facts of life and achievements in the form of Flow - chart. (A 3 Sheet)

c) Prepare a comic strip in the form of story with Direct - Indirect Speech.

d) Compare the culture of Haryana and Manipur:

✦ Dress and Language (1 - 10)

✦ Dance, Art & Handicraft (11 - 20)

✦ Food Habits and Crops (21 - 30)

✦ Climate and Tourism (31 - last)

6) Prepare Wall Hanging on -

✦ Prepositions (1 - 10)

✦ Conjunctions (11 - 20)

✦ Adverbs (21 - 30)

✦ Adjectives (31 - 40)

✦ SDG's (41 - last)

HINDI

(क्षितिज भाग 2)

प्रश्न1. ' नेताजी का चश्मा' और ' बालगोबिन भगत' पाठ में से 10 अतिरिक्त प्रश्नों का निर्माण कीजिए।

प्रश्न 2.' सूरदास के पद' और ' राम लक्ष्मण परशुराम संवाद ' काव्य पढ़कर उसमें से 10 अतिरिक्त प्रश्नों का निर्माण कीजिए।

प्रश्न3. ' नेताजी का चश्मा' पाठ का मॉडल तैयार कीजिए। (अनुक्रमांक 1से 20 तक)

प्रश्न4. ' बालगोबिन भगत' पाठ के अनुसार वाद्य यंत्रों का एक चार्ट बनाइए अथवा बालगोबिन भगत का सचित्र वर्णन कीजिए।(अनुक्रमांक 21से 42 तक)

प्रश्न 5. शब्दालंकार के भेदों का एक मॉडल तैयार कीजिए। (अनुक्रमांक 1 से 5, 11 से 15, 21 से 25, 31 से 35)

प्रश्न 6. अर्थालंकार के भेदों का एक मॉडल तैयार कीजिए। (अनुक्रमांक 6 से 10, 16 से 20, 26 से 30, 36 से 42)

प्रश्न 7. पद - परिचय से संबंधित चार्ट तैयार कीजिए।

प्रश्न 8. रचना के आधार पर वाक्य के भेदों का चार्ट तैयार कीजिए।

प्रश्न 9. निम्नलिखित विषयों पर लगभग 120 शब्दों में अनुच्छेद लिखिए।

- 1) देश के निर्माण में युवाओं की भूमिका
- 2) कामकाजी महिला का एक दिन
- 3) क्यों आवश्यक है सहनशीलता
- 4) दिव्यांग और उनकी समस्याएं
- 5) प्रगति की ओर बढ़ते भारत के कदम

प्रश्न 10. निम्नलिखित विषयों पर पत्र लिखिए -

- i) आपके क्षेत्र के पार्क को कूड़ेदान बना दिया गया था। अब पुलिस की पहल और मदद से पुनः बच्चों के लिए खेल का मैदान बन गया है। अतः आप पुलिस आयुक्त को धन्यवाद पत्र लिखिए।
- ii) आप एक रिश्तेदार को देखने किसी अस्पताल में गए और वहां रख - रखाव और सफाई में बहुत सारी कमियां दिखीं। ध्यान दिलाने पर कर्मचारियों ने दुर्व्यवहार किया। इसकी शिकायत मुख्य चिकित्सा अधिकारी से करते हुए 100 शब्दों में पत्र लिखकर उचित कार्रवाई करने की मांग कीजिए।
- iii) पुस्तकालय में हिंदी प्रसिद्ध लेखकों की पुस्तकें मंगवाने के लिए प्राचार्य को एक प्रार्थना पत्र लिखिए।
- iv) आपकी बड़ी बहन को चिकित्सा महाविद्यालय में प्रवेश प्राप्त हो गया है। इस सफलता के लिए बधाई पत्र लिखिए।
- v) 'सामाजिक सेवा कार्यक्रम' के अंतर्गत किसी ग्राम में सफाई अभियान के अनुभवों का उल्लेख करते हुए मित्र को पत्र लिखिए।

MATHEMATICS

Solve the following system of linear equation -

1. $37x + 41y = 70$

$$41x+37y=86$$

2. $23x-29y=98$

$$29x-23y=110$$

3. $3(2x+y)=7xy$

$$3(x+3y)=11xy.$$

4. $\frac{x}{a}+\frac{y}{b}=a+b$, $\frac{x}{a^2}+\frac{y}{b^2}=2$

5. Find the value of $\sin \theta$ and $\tan \theta$ in ΔTOP if $TO = TP = 13$ cm and $OP = 10$ cm , If $\angle TOP = \theta$

6. If $\operatorname{Cosec} A + \cot A = p$ & $\operatorname{Cosec} A - \cot A = q$. Then find the value of pq .

7. If α and β are the zeroes for the polynomial x^2+4x-3 . Write a polynomial whose zeroes are $1+$

8. If $\tan A=1$ and $\sin B=\frac{1}{\sqrt{2}}$, then find the value of $\cos(A+B)$.

9. If $\sin A + \cos A = \sqrt{2} \cos A$. Find $\cot A + \tan A$.

10. If $\tan A + \cot A = 2$. Find the value of $\tan^2 A + \cot^2 A$.

11. Find the value of $\cos 1^\circ \times \cos 2^\circ \times \cos 3^\circ \times \dots \times \cos 179^\circ \times \cos 180^\circ$.

12. Write all trigonometric identities .

13. Make the table for the trigonometry values $0^\circ, 30^\circ, 45^\circ, 60^\circ, 90^\circ$

14. Write the similarity in yoga and math. Write the name of 5 asana which are helpful to improve math .

15. Write 5 uses of trigonometry in daily life and explain them with the help of a sketch .

16. Maths Activity File - Do activity number 3 , 4 , 5 , 9, 18 in the file .

17. Roll No 1 to 10 - make a yoga pose related to math on an A3 sheet.

Roll No 11 to 20 - Make a model of a children park by using different 2d shapes.

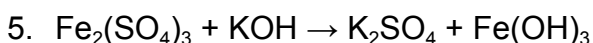
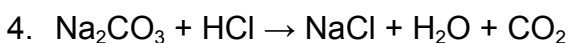
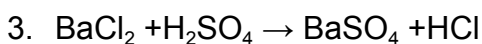
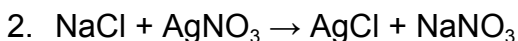
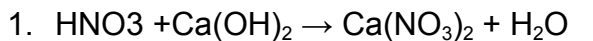
Roll No 21 to 30 - make a model of a children park by using 3 d shapes.

Roll No 31 to 40 - make a model of different parts of a circle.

18. By using mathematical words like triangle, angle, sum etc. write a poem either in Hindi or in English .

SCIENCE

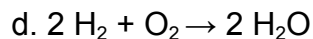
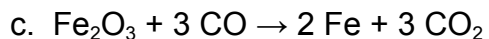
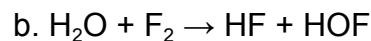
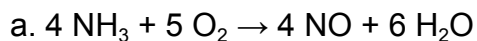
Q1. Balance the following chemical equations.



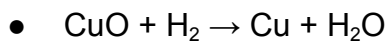
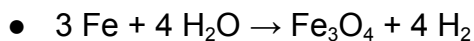
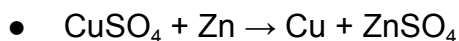
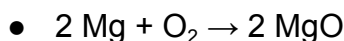
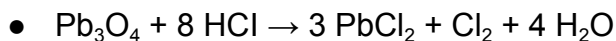
Q2. Practice at least 20 numericals based on mirror formulas.

Q3. Practice ray diagrams of concave and convex mirrors.

Q4. Identify the reducing agent in the following reactions



Q5. Identify the oxidising agent (oxidant) in the following reactions



Q6. . A solution of potassium chloride, when mixed with silver nitrate solution, an insoluble white substance is formed. Write the chemical reaction involved and also mention the type of the chemical reaction?

Q7. Ferrous sulphate decomposes with the evolution of a gas having a characteristic odour of burning sulphur. Write the chemical reaction involved and identify the type of reaction.

Q8. Learn the valencies of first 30 elements along with the elements involved various chemical reactions given in chapter 1.

Q9. Explain with the help of diagram, how amoeba takes its nutrition.

(b) Assume that you are a veterinary surgeon and you had removed a good length of the small intestine of a bear that was suffering from an intestinal tumor. Now, would you suggest a plant based or a meat based diet for the bear after its recovery? Give reason for your answer.

(c) Do you think plant based food should be preferred over non-vegetarian food?

Q10. Name three different glands associated with the digestive system in humans. Also name their secretions.

Q11. Explain human respiratory system with well labelled diagram.

Q12. Draw a well labelled diagram of human heart.

#All Students have to prepare 1 model (working or non working)and 1 chart paper either of your choice or from given topics (3d model of neuron, Ray diagram from matchstick, 3d hologram, Magnetic levitation, Hydraulic labyrinth with ball and syringe, Electrolysis of water, Fun with static electricity, Electromagnet or motor)

Revise full syllabus Completed till date and practise pervious year question papers.

SOCIAL SCIENCE

1) Make the working model/ Chart on the topic provided:

a) Rainwater harvesting

b) Satges of Indian freedom struggle

- c) On physical map of India represent soil found in different regions
 - d) Information and symbols of National Parties
 - e) Model of Dam
 - f) Model showing banking system of India
 - g) Model showing non-conventional source of energy.
 - h) Model showing how globalization has helped in integration of countries around the world
- 2) Make 20 short questions each from the chapters taught till date in assignment notebook.
- 3) Do the map practice from Geography Ch-1, ch-2 and ch-3. Also paste the map in your assignment notebook.
- 4) Make a project on **Disaster Management**.
- *The above project will be assessed for CBSE internal assessment.

INFORMATION TECHNOLOGY

Q1. Stress is identified as a condition in which a person is

- A) tensed B) worried C) relaxed D) both (A) and (B)

Q2. What plays a major role in reaction to stress

- A) Emotions B) Personality C) Confidence D) None of these

Q3. The feeling of self-awareness enhances our.....

- A) Self-confidence B) Self-monitoring C) Self-Regulation D) All of the above

Q4. What is 'M' in the 'SMART' goal setting method

- A) Must B) Meaning C) Measurable D) None of these

Q5. What is 'S' in the 'SMART' method of goal setting?

- A) Smart B) Special C) Speed D) Specific

Q6. Self-Reliance means _____

- A) Ability to Work Independently B) Complete the task effectively

Q 17. List any 5 stress management techniques and elaborate on why you find it the most effective for you.

Q18. What are Styles ? What are the advantages of using styles?

Q 19. Explain any four Graphic filters.

Q 20. What is the difference between styles and templates?

Q 21. Explain Mail Merge. Write 3 advantages of Mail Merge?

Q 22. What do you understand by the terms: a. Text Wrapping b. Anchoring

Project Work: Make Chart/Model(working or non working)

X-A(1-20) Stress Management Quiz Board with Red And Green LED'S.(Model)

X-A (21-41) Time management Schedule for a student (Chart)

X-B (1-20) Verbal/ Non verbal Communication skills (model/chart)

X-B (21-42) Visual/ Written communication Skills (model/ chart)

X-C (1-20) Importance of feed back (model on thermocol)

X-C(21-40) Mail-merge/ Templates in writer (chart)

X-D (1-20) Table of Content (Chart)

X-D (21-42) Types of Styles in writer (Chart)

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